



Safety Data Sheet according to (EC) No 1907/2006

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EA 956 PART A QUART

sds no. : 234697

V004.1

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier:

EA 956 PART A QUART

Relevant identified uses of the substance or mixture and uses advised against:

Intended use:

Part A of 2-K-Epoxy Adhesive

Details of the supplier of the safety data sheet:

Henkel AG & Co. KGaA

Henkelstr. 67

40191 Düsseldorf

Germany

Phone: +49 (211) 797-0

ua-productsafety.uk@uk.henkel.com

Emergency Telephone Number:

24 Hours Emergency Tel: +44 (0)1442 278497

SECTION 2: Hazards identification

Classification of the substance or mixture:

Classification (DPD):

Xn - Harmful

R22 Harmful if swallowed.

Mutagen category 3.

R68 Possible risk of irreversible effects.

Sensitizing

R43 May cause sensitisation by skin contact.

Xi - Irritant

R36/38 Irritating to eyes and skin.

Dangerous for the environment

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Label elements (DPD):

Xn - Harmful



N - Dangerous for the environment



Risk phrases:

R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.
R68 Possible risk of irreversible effects.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 Wear suitable protective clothing and gloves.
S57 Use appropriate container to avoid environmental contamination.
S60 This material and its container must be disposed of as hazardous waste.

Additional labeling:

Contains epoxy constituents. See information supplied by the manufacturer.

Contains:

Triglycidyl-p-aminophenol,
RP Bisphenol F-epichlorohydrin resin, MW<=700

Other hazards:

None if used properly.

SECTION 3: Composition/information on ingredients

General chemical description:

Epoxy Adhesive

Base substances of preparation:

resins
Filler

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Triglycidyl-p-aminophenol 5026-74-4	225-716-2	50- 60 %	Chronic hazards to the aquatic environment 2 H411 Germ cell mutagenicity 2 H341 Acute toxicity 4; Oral H302 Skin sensitizer 1 H317 Skin irritation 2 H315
RP Bisphenol F-epichlorohydrin resin, MW<=700 28064-14-4		40- 50 %	Serious eye irritation 2 H319 Skin irritation 2 H315 Skin sensitizer 1 H317 Chronic hazards to the aquatic environment 2 H411

Only dangerous ingredients for which a CLP classification is already available are displayed in this table.
For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Triglycidyl-p-aminophenol 5026-74-4	225-716-2	50 - 60 %	N - Dangerous for the environment; R51/53 Xn - Harmful; R22 Mutagen category 3.; Xn - Harmful; R68 Xi - Irritant; R38, R43
RP Bisphenol F-epichlorohydrin resin, MW<=700 28064-14-4		40 - 50 %	Xi - Irritant; R36/38, R43 N - Dangerous for the environment; R51/53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.
Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures**Description of first aid measures:****Inhalation:**

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

Eye contact:

Wash with plenty of water immediately and continue for several minutes, holding eyelid open. Consult a doctor.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

Most important symptoms and effects, both acute and delayed:

EYE: Irritation, conjunctivitis.

SKIN: Redness, inflammation.

SKIN: Rash, Urticaria.

INGESTION: Nausea, vomiting, diarrhoea, abdominal pain.

Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

SECTION 5: Firefighting measures

Extinguishing media:

Suitable extinguishing media:

Foam, extinguishing powder, carbon dioxide.

Fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

Special hazards arising from the substance or mixture:

Danger of decomposition if exposed to heat.

May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and other toxic fumes.

See section 10.

Advice for firefighters:

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes.

Wear protective equipment.

Ensure adequate ventilation.

Environmental precautions:

Do not empty into drains / surface water / ground water.

Methods and material for containment and cleaning up:

Remove mechanically.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Dispose of contaminated material as waste according to Chapter 13.

Reference to other sections:

See advice in chapter 8

SECTION 7: Handling and storage

Precautions for safe handling:

See advice in chapter 8

Extract when the product is heated.

Ensure good ventilation/suction at the workplace.

Do not spray against flames or glowing bodies. Keep away from sources of ignition - no smoking.

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

Avoid skin and eye contact.

Extractors are required on all machines used for thermal or for cutting and grinding processes.

Conditions for safe storage, including any incompatibilities:

Store only in the original container.
Store in a cool, dry place.
Ensure that storage and workrooms are adequately ventilated.
Must be stored in a room with spill collection facilities.
Keep away from heat and direct sunlight.

Specific end use(s):

Part A of 2-K-Epoxy Adhesive

SECTION 8: Exposure controls/personal protection

Control parameters:

Valid for
Great Britain

None

Exposure controls:

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.
Suitable respiratory protection:
Filter type: A

Hand protection:

Chemical-resistant protective gloves (EN 374).
Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):
nitrile rubber (NBR; ≥ 0.4 mm thickness)
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):
nitrile rubber (NBR; ≥ 0.4 mm thickness)
This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Goggles which can be tightly sealed.
and/or
facial protection

Skin protection:

Wear protective equipment.
Protective clothing that covers arms and legs.
apron

Advices to personal protection equipment:

Wash off any dirt that gets onto the skin with lots of soap and water, skin care.
Store working clothes separately.
Use solvent-resistant skin protection cream.
Do not breathe dust and vapors.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties:

Appearance	liquid Liquid Amber
Odor	mild

pH	No data available / Not applicable
Initial boiling point (1.013 hPa)	> 93 °C (> 199.4 °F)
Flash point	> 93 °C (> 199.4 °F) Estimated
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (20 °C (68 °F))	1,22 g/cm ³
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Slight
Solubility (qualitative) (20 °C (68 °F); Solvent: ketones)	Partially miscible
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

Other information:

No data available / Not applicable

SECTION 10: Stability and reactivity**Reactivity:**

Reacts with alcohols and amines.
Reacts with oxidants, acids and lyes
Reaction with some curing agents may produce an exothermic reaction which in large masses could cause runaway polymerization.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

See section reactivity

Conditions to avoid:

Danger of decomposition if exposed to heat.
Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately.
Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

Incompatible materials:

None if used properly.

Hazardous decomposition products:

Hydrocarbons
Irritating vapors.
Rapid polymerisation may generate excessive heat and pressure.
May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and other toxic fumes.
See section 5.

SECTION 11: Toxicological information**General toxicological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.
Possible risk of irreversible effects.

Oral toxicity:

Harmful if swallowed.

Skin irritation:

The product is irritant to skin and mucous membranes.

Eye irritation:

Irritating to eyes.

Sensitizing:

May cause sensitization by skin contact.

SECTION 12: Ecological information**General ecological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

If used properly the product does not enter the drains.

In the cured state contribution of this product to Environmental Hazards is insignificant in comparison to articles in which it is used.

Ecotoxicity:

Toxic to aquatic organisms

May cause long-term adverse effects in the aquatic environment.

Do not empty into drains / surface water / ground water.

Mobility:

Cured adhesives are immobile.

Persistence and Biodegradability:

The product is not biodegradable.

Bioaccumulative potential:

No data available.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Triglycidyl-p-aminophenol 5026-74-4	LC50	4,2 mg/l	Fish	96 h	Cyprinus carpio	OECD Guideline 203 (Fish, Acute Toxicity Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Triglycidyl-p-aminophenol 5026-74-4	0,87					

SECTION 13: Disposal considerations**Waste treatment methods:**

Product disposal:

Special waste incineration with the approval of the responsible local authority.

Disposal of uncleaned packages:

Disposal must be made according to official regulations.

Use packages for recycling only when totally empty.

Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14: Transport information**Road transport ADR:**

Class:	9
Packaging group:	III
Classification code:	M6
Hazard ident. number:	90
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triglycidyl-p-aminophenol,Bisphenol-F Epichlorhydrin resin)
Tunnelcode:	(E)

Railroad transport RID:

Class:	9
Packaging group:	III
Classification code:	M6
Hazard ident. number:	90
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triglycidyl-p-aminophenol,Bisphenol-F Epichlorhydrin resin)
Tunnelcode:	

Inland water transport ADN:

Class:	9
Packaging group:	III
Classification code:	M6
Hazard ident. number:	
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triglycidyl-p-aminophenol,Bisphenol-F Epichlorhydrin resin)

Marine transport IMDG:

Class:	9
Packaging group:	III
UN no.:	3082
Label:	9
EmS:	F-A ,S-F
Seawater pollutant:	Marine pollutant
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triglycidyl-p-aminophenol,Bisphenol-F Epichlorhydrin resin)

Air transport IATA:

Class:	9
Packaging group:	III
Packaging instructions (passenger)	964
Packaging instructions (cargo)	964
UN no.:	3082
Label:	9
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (Triglycidyl-p-aminophenol,Bisphenol-F Epichlorhydrin resin)

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

VOC content (1999/13/EC)	3 %
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SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R68 Possible risk of irreversible effects.

H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects.
H411 Toxic to aquatic life with long lasting effects.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.